

the digital information is used to generate digital information for [rapid prototyping] manufacturing of the denture, the improvement comprising:

- (a) Said manufacturing comprising an initial step of scanning and storing a first digital image of said human oral cavity at a first point in time when the oral cavity contains a plurality of natural teeth, said scanning at a first scanning site; and subsequently at another point forward in time;
- (b) said manufacturing further comprising a step of scanning and storing a second digital image of said human oral cavity when the oral cavity no longer contains one or more of said natural teeth at a second scanning site, and subsequently at another point in time and at a remote manufacturing site digitally connected to said second site, said manufacturing further comprising the step of rapid prototype manufacturing of a denture at the remote manufacturing site;
- (c) At said prior point in time, preparing and digitally storing a selectable digital image of at least one surface of an actual tooth from a scan of the actual tooth inside the human oral cavity to create a group of actual image digital data;
- (d) adding to the digital information, additional digital data selected from an archive of digital data selected from a group of digital data consisting of artificial image digital data and actual image digital data, which additional digital data depicts a denture,
- (e) last said denture being selected from the group consisting of a full upper denture and a full lower denture, said digital information and said additional digital data being based on image information in a form wherein all of said digital information and said additional data are combined and viewable as a computer generated composite image;
- (f) [carrying out the rapid] using a plastic material for rapid model prototype manufacturing of at least one full denture using said digital information with the said additional digital data whereby the denture made substantially resembles the digital data viewable as the computer generated composite image; including using a computer system as a part of said adding to the digital information;

(g) constructing an actual denture using all of said digital information and said additional data combined at a remote rapid modeling facility adapted to receive and use said digital images to rapidly make a disposable denture;

(h) using an overnight delivery service system to deliver said constructed denture from said remote rapid modeling facility to a point of distribution accessible to the denture user; and,

(i) including processing at least said artificial image data used in producing said denture using a computer system.

Claim 6 (amended). [In a] A method of making a disposable denture made of plastic usable in rapid model prototype manufacturing from digital information corresponding to a part of a human oral cavity wherein the digital information is used to generate information for rapid prototyping of the denture, the [improvement] method further comprising:

(a) adding to the digital information, additional digital data selected from archive of digital data, which additional data depicts both an upper and a lower denture and which digital information and said additional digital information is based on image information in a form wherein all of said digital data are viewable as a computer generated composite image;

(b) [carrying out the rapid] rapid model prototype manufacturing of said dentures using said digital information with the added data to make a matching set of upper and lower dentures wherein the matching set of upper and lower dentures made substantially resembles the digital data viewable as the computer generated composite image; and

(c) further including as part of said step of adding to the digital information, the step of processing at least said artificial image data used in producing said dentures using a

CAD programmed computer system wherein a style comprising of shape, color, size, and texture is selected.

Claim 7 (amended). [In a] A method of making a disposable denture made of plastic usable in rapid model prototype manufacturing from digital information corresponding to a part of a human oral cavity wherein the digital information is used to generate information for rapid prototyping of the denture, [the improvement] the method further comprising:

(a) Adding additional digital data to the digital information, said additional digital data being selected from an archive of digital data, which additional data depicts an upper and a lower denture, said additional digital data being derived from image information acquired by a laser topological image scan of the human oral cavity without teeth therein;

*B2* (b) [carrying out the additional step of rapid] rapid model prototype manufacturing of said dentures using said digital information with the added digital data to make a matching set of upper and lower disposable plastic dentures wherein the non-juxtaposing surfaces of said matching set of upper and lower dentures substantially resembles digital data stored from a laser topological scan image of the human oral cavity for teeth previously therein.

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